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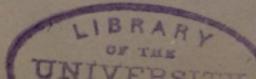
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## P R E F A C E.

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IN undertaking this catalogue the compiler has not been actuated by any ambitious motives. He began this work immediately upon his appointment to office, and has only to regret now the unavoidable delay which has attended its publication. He fully realizes the many imperfections of the work—due in part to the manner of publication, but in a larger degree to inexperience—but still ventures to hope that he has, in some measure, at least, accomplished his desire to produce a work which shall be of great assistance to persons consulting this library. It will be seen that the work is divided into two parts: Part I. SYNTHETICAL: A., Catalogue of the Systematic Works; B., Catalogue of the Periodical Publications,—wherein these works are arranged in alphabetical order, according to their author or title, and without reference to subjects; and Part II., ANALYTICAL: wherein the Systematic Works and Periodical Publications are classified with reference to subjects. Part I. B. will be found to include a copious Index, in which have been inserted many abbreviated titles, under which some of the more prominent periodicals are at times quoted. Part II. will be found to include a copious Index, the typographical arrangement of which will indicate clearly whether the reference be to a general heading, a sub-heading, or otherwise. This characteristic applies also, and in a larger degree, to the Index in Part I., B.

JOHN F. MEYER,  
*Librarian.*



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## PART I. SYNTHETICAL:

WHEREIN THE SYSTEMATIC WORKS AND PERIODICAL PUBLICATIONS ARE ARRANGED IN ALPHABETICAL ORDER,  
WITHOUT REFERENCE TO SUBJECTS.

A. SYSTEMATIC WORKS.

B. PERIODICAL PUBLICATIONS.

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## CATALOGUE OF BOOKS AND PAMPHLETS.

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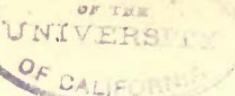
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- Contributions to the Natural History of the Acalephæ of North America:  
Part I. On the Naked-eyed Medusæ of the Shores of Massachusetts in their Perfect State of Developement. 96 pp., VIII. plates.  
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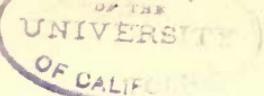
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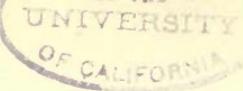
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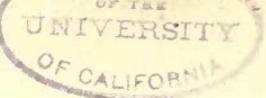
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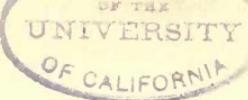
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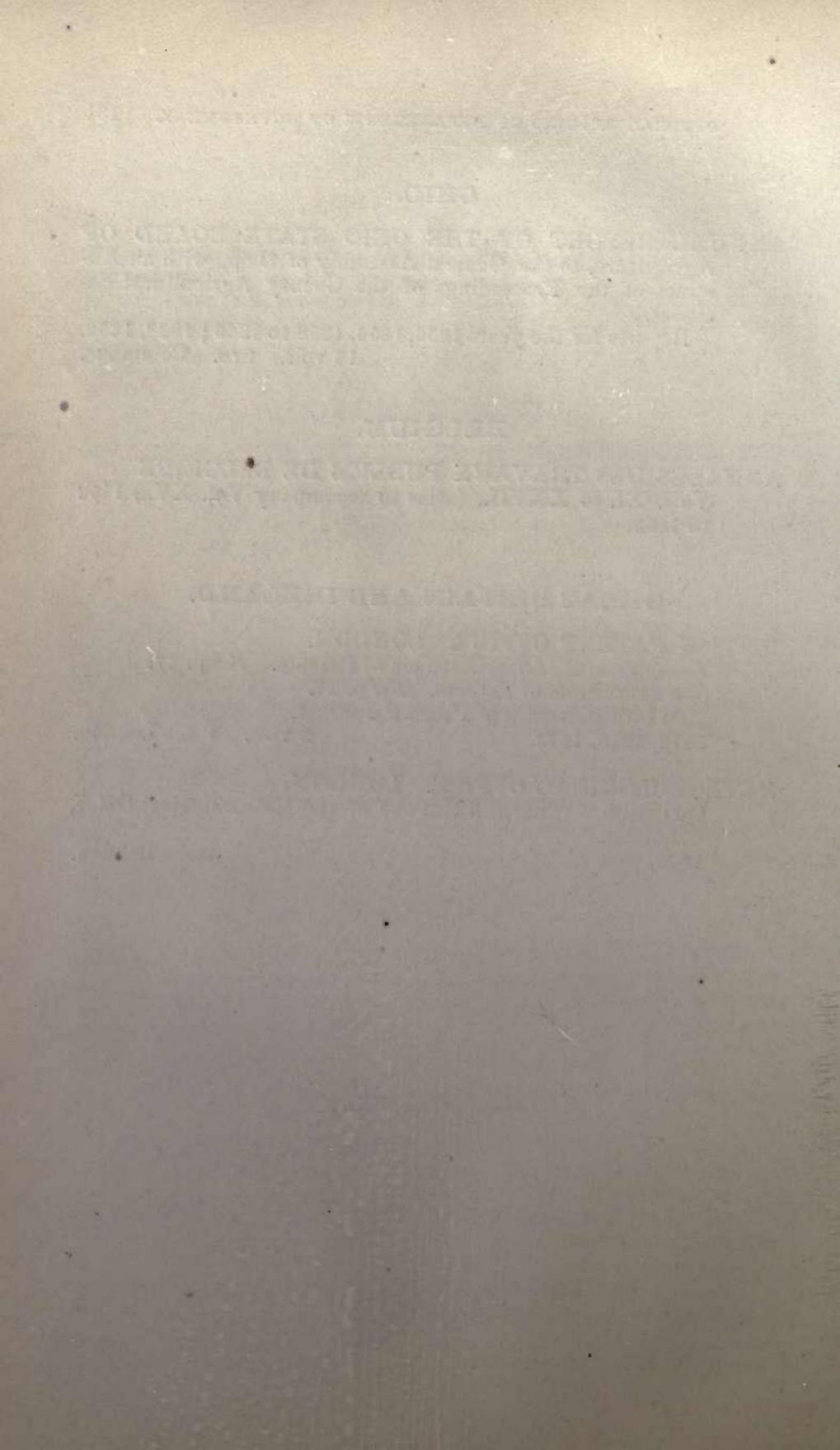
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## PART II. ANALYTICAL:

WHEREIN THE SYSTEMATIC WORKS AND PERIODICAL  
PUBLICATIONS ARE CLASSIFIED WITH  
REFERENCE TO SUBJECTS.



## SYNOPSIS OF CLASSIFICATION.

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### MATHEMATICAL SCIENCES.

ARITHMETIC—

WEIGHTS, MEASURES AND COINS.

ANALYSIS.

GEOMETRY.

APPLIED GEOMETRY.

RATIONAL MECHANICS.

ASTRONOMY.

### NATURAL SCIENCES.

PHYSICS—

SPECTRUM ANALYSIS.

MICROSCOPY.

GENERAL AND INORGANIC CHEMISTRY.

ORGANIC CHEMISTRY.

ANALYTICAL CHEMISTRY.

AGRICULTURAL CHEMISTRY.

ANIMAL AND MEDICAL CHEMISTRY.

CHEMICAL TECHNOLOGY.

METALLURGY—

GENERALITIES.

FURNACES AND FUELS.

IRON.

STEEL.

GOLD AND SILVER.

COPPER, LEAD, TIN, NICKEL AND COBALT.

ASSAYING.

NATURAL HISTORY—

AGRICULTURE.

BOTANY AND VEGETABLE PHYSIOLOGY.

GEOGRAPHY, PHYSICAL AND POLITICAL.

GEOLOGY AND GEOGNOSY.

## LOCAL GEOLOGY AND GEOGNOSY—

EUROPE, ASIA AND AUSTRALIA.

BRITISH AMERICA, MEXICO AND CENTRAL AMERICA.

THE UNITED STATES AND TERRITORIES.

## PALÆONTOLOGY.

## MINERALOGY—

DESCRIPTIVE MINERALOGY.

DETERMINATIVE MINERALOGY AND BLOWPIPE ANALYSIS.

CRYSTALLOGRAPHY.

DIAMONDS AND PRECIOUS STONES.

## ECONOMIC GEOLOGY.

METEOROLOGY AND TERRESTRIAL MAGNETISM.

ZOOLOGY AND ANIMAL PHYSIOLOGY.

## THE SCIENCES APPLIED TO ENGINEERING.

## CIVIL ENGINEERING.

HYDRAULIC ENGINEERING AND MARITIME WORKS.

MECHANICAL ENGINEERING.

THE STEAM ENGINE.

MILITARY ENGINEERING.

MINES AND MINING ENGINEERING.

RAIL-ROAD ENGINEERING.

INDUSTRIAL ARTS.

## INTERNATIONAL EXHIBITIONS—

CENTENNIAL CELEBRATION AT PHILADELPHIA, 1876.

EXHIBITION OF THE INDUSTRY OF ALL NATIONS, LONDON, 1851.

EXPOSITION DU HAVRE, 1868.

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Zweite Folge: CHEMISCHES CENTRAL BLATT. Repertorium für reine, pharmaceutische, physiologische und technischen Chemie.

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First	Meeting at Philadelphia,	1848.	<i>Philadelphia</i> ,	1849.
Second	" Cambridge,	1849.	<i>Boston</i> ,	1850.
Third	" Charleston,	1850.	<i>Charleston</i> ,	1850.
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Seventh	" Cleveland,	1853.	<i>Cambridge</i> ,	1856.
Eighteenth	" Salem,	1869.	"	1870.
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Twenty-first	" Dubuque,	1872.	"	1872.
Twenty-third	" Hartford,	1874.	<i>Salem</i> ,	1875.

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General Index for Vols. I. to X.



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  - II. *On the Influence of C. H. upon the Boiling Points in Homologous Series of Hydrocarbons and in some series of their Derivatives; with Critical Observations on Methods of Taking Boiling Points.* 8vo. 42 pp. Cambridge, 1865.
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*See Periodical Publications, under General and Inorganic Chemistry, p. 227.*

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*See, also, Assaying; and Determinative Mineralogy and Blow Pipe Analysis.*

#### PERIODICAL PUBLICATIONS.

*See under General and Inorganic Chemistry, page 220.*

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Vol. 2. Die Chemie der Pflanze. Edited by J. Fittboden.

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*See, also, Periodical Publications under General and Inorganic Chemistry, p. 220.*

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- ATTFIELD, J. Chemistry. General, Medical and Pharmaceutical, including the Chemistry of the U. S. Pharmacopeia. From the English edition. 12mo. 552 pp. Philadelphia, 1871.
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sanez, E.; Hunt, T. Sterry; Kromayer, Augusta; Pierce, C. H.;  
Reich, Edward; Souberain, J. Léon; Wiesner, Julius; Ziemssen,  
H. v.
- POISONS.—Christison, Robert; Haseman, Theodore and A.; Hasselt and  
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Theodore; Van Hasselt, A. W. M.
- URINE.—Bird, Golding; Flandrin, Ch.; Kenbauer, C., and Vogel, J.;  
Ultzmann, Robert, and Hoffmann, Karl Berthold.
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Vol. I., 1814.

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Edited by J. LIEBIG, F. WÖHLER, H. KOPP, E. ERLENMAYER and J. VOLHARD.  
12mo. Four vols. a year. Heidelberg and Leipzig, 1832 to date.

Vols. I. to XXXII., 1832 to 1839. From 1840, title changed to  
**ANNALEN DER CHEMIE UND PHARMACIE.**

Vols. XXXIII. to CXXXVI.; CXLI. to CLVI.; and CLIX.  
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Supplemental Volumes, I., II., 1861 to 1863; III., (hefts, 1, 2,) 1864; V., VI., 1867 to 1868; VIII., 1872.

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**JOURNAL de Pharmacie et de Chimie contenant les Travaux de la Société de Pharmacie, une Revue Medicale et une Revue des Travaux Chimiques publiés à l'Étranger.**

Third Series. Vol. XXVI., July to December, 1854.

Fourth Series. Vols. XV. to XVIII., XX., XXI., January, 1872, to June, 1875.

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8vo. Leipzig, 1830 to 1855.

Vols. I. to XX., 1830 to 1849. Vols. XXI. to XLI., 1850 to 1855, under title **Chemisch-Pharmaceutisches Central Blatt.**

Zweite Folge: **Chemisches Central Blatt. Repertorium für reine, pharmaceutische, physiologische und technischen Chemie.**

8vo. Weekly. One vol. a year. 1856 to 1869.

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*See, also, Periodical Publications, under General and Inorganic Chemistry, p. 220.*

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- Bleaching, Dyeing and Calico Printing. 1617–1857. 770 pp. 1859.
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  - Oils, Vegetable and Mineral, including Lubricants, Candles and Soap. 668 pp. 1865.
  - Photography. Parts I. and II. 1861–1867.
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- CHANDLER, Charles F. Dangerous Kerosene. A Report to the Metropolitan Board of Health. 8vo. 8 pp. New-York, 1868.
- Report on Water for Locomotives and Boiler Incrustations. Vol. IV., Pamphlets. Octavo series. 8vo. 35 pp. New-York, 1865.
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FONTENELLE, J. Nouveau Manuel Complet du Blanchissement.

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*See, also, Periodical Publications, under General and Inorganic Chemistry, page 227.*

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- See, also, Metallurgy—Generalities, p. 262.*

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*See under Metallurgy—Generalities, p. 262.*

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Edited by LEONHARD and GEINITZ. 8vo. Stuttgart.

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*See, also, Agricultural Chemistry, p. 245.  
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MINNESOTA.—Owen, D. D.; Winchell, N. H.

MISSISSIPPI.—Hilgard, E. W.

MISSOURI.—Broadhead, G. C.; Pumpelly, R.; Swallow, G. C.

MONTANA.—United States Geological Survey, &c.

NEBRASKA.—United States Geological Survey, &c.

NEW-HAMPSHIRE.—Hitchcock, C. H.

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*See, also,* International Exhibitions, p. 381.

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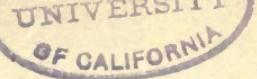
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